

**ABSTRACT**

The present invention provides a method for treatment of hard tissues, such as stones, present in very small a fluid-filled body cavity, such as ducts of the salivary glands, by applying to said hard tissue, or to the proximity of said hard tissue, a 5 laser beam produced by an Er:YAG laser device.

The invention further concerns a system for use in this method, and an add-on aperture for converting a standard Er:YAG device used in dentistry to a device suitable for the method of the present invention.